This product is on the Qualified Product Listing under the Defense Standardization Program. Check our listing here.

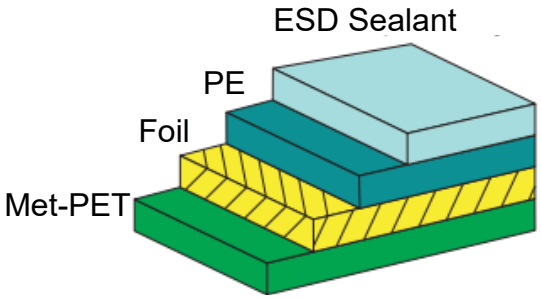
SCS ESD Barrier Bag 817I Series are manufactured from CADPAK ESD with four layers - Met-PET, Foil, PE, ESD-Sealant. Barrier Material is watervaporproof, electrostatic protective, electrostatic and electromagnetic shielding, flexible, and heat-sealable. Film is qualified to MIL-PRF-81705E Type I, Class 1.

Bags are converted per MIL-DTL-117H unless otherwise requested. As such, the bag markings will contain not only the required MIL-PRF81705E markings but also the stamp shown here:

SCS
MIL-DTL-117H
TYPE I CLASS F STYLE 1
EMI/STATIC SHIELD BAG, 817I SERIES
LOT NO.

Note: Default color is yellow. Artwork not to scale.

If your packaging needs do not include meeting MIL-DTL-117H, bags can be converted from qualified film per your packaging requirements.



Physical	Typical Value	Testing Method
Tensile Strength	4100 PSI, 28 MPa	ASTM D882
Puncture Resistance	19 lbs, 85 N	MIL-STD-3010
Seam Strength	19 lbs/in	ASTM F88
Thickness	4.5 mils, 0.114 mm +/-10%	ASTM D2103
WVTR	0.0005 g/100 in2/day @90% RH, 40°C	ASTM F12t49
OTR	0.0005 cc/100 in2/day @0% RH, 23°C	ASTM D3985
Electrical	**Typical Value**	**Testing Method**
EMI Attenuation	≥ 30 db	MIL-PRF-81705E
ESD Shielding	0.45 volts	EIA-541 Appendix
Surface Resistivity - Interior	≥ 1 x 10^5 to < 1 x 10^{12} ohms/sq	MIL-PRF-81705E
Surface Resistivity - Exterior	Undetectable	
Static Decay	≤ 1 seconds	MIL-PRF-81705E
Heat Sealing Conditions	**Typical Value**	
Temperature	325°F - 425°F, 163°C - 218°C	
Time	1 second	
Pressure	40 PSI, 276 KPa	

RoHS, REACH, and Conflict Minerals Statement
See the Desco Industries RoHS, REACH, and Conflict Minerals Statement:

Bag is free of silicones and heavy metals.
Specifications and procedures subject to change without notice.

Made in the United States of America

ESD BARRIER BAG, 817I SERIES, MIL-DTL-117H, MIL-PRF-81705E TYPE I, CLASS 1

SCS

DRAWING NUMBER	DATE
817I Bags	September 2019